

Supplementary information for

Photocatalytic reactions under irradiation of visible light over gold nanoparticles supported on titanium(IV) oxide powder prepared by using multi-step photodeposition method

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Results and discussion

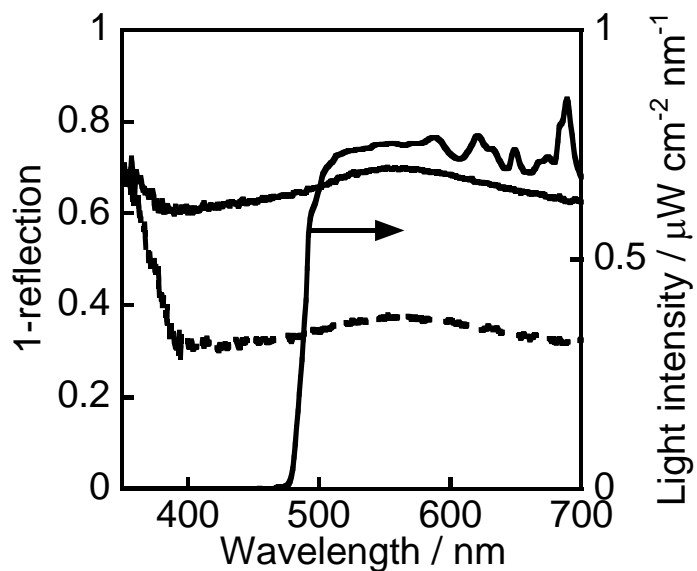


Figure S1 Absorption spectra of Au(1.0×1)/TiO₂(723) (broken line) and Au(0.25×4)/TiO₂(723) (solid line), and intensity of visible light irradiated to reaction systems from a Xe lamp with a Y-48 filter (right axis).¹⁾

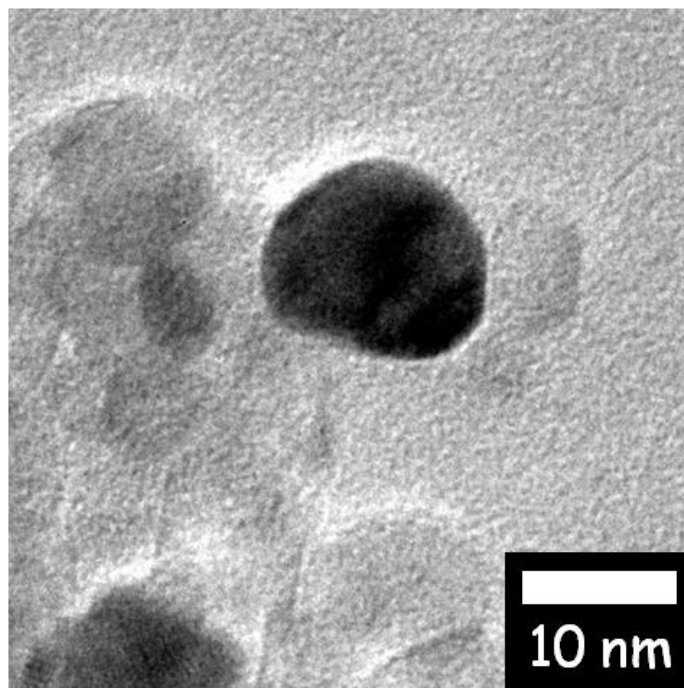


Figure S2 TEM image of the sample obtained by post-calcination of Au(0.25×4)/TiO₂(723) at 773 K.

Reference

- 1) A. Tanaka, S. Sakaguchi, K. Hashimoto and H. Kominami, *Catal. Sci. Technol.*, 2012, **2**, 907.